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## Immunization

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### NO FLU SHOT

*Definition: Respondents ages 65 and older who have not had an influenza vaccination within the past 12 months.*

### Prevalence of No Flu Shot

- South Dakota 23.7%
- Nationwide median 34.3%

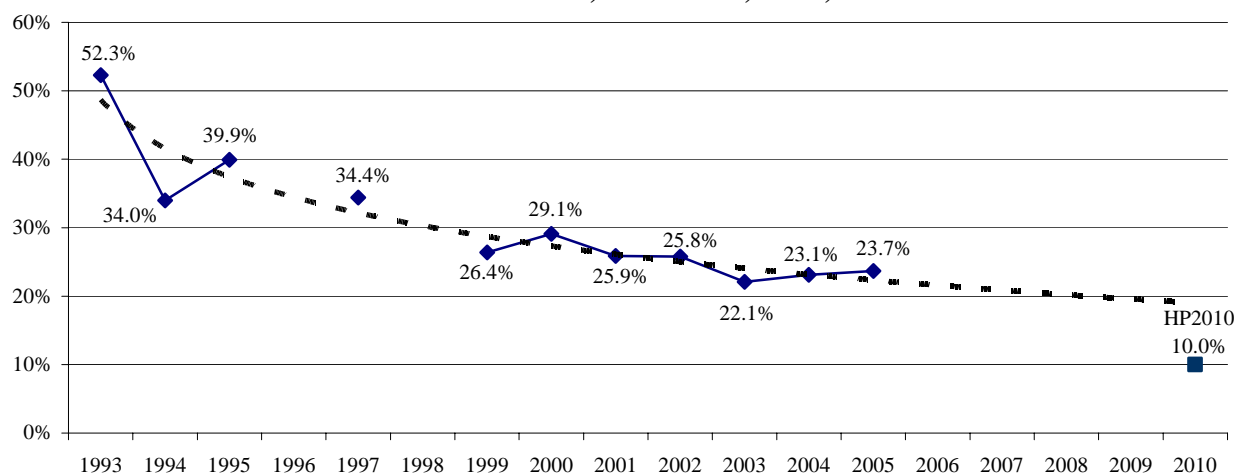
### Healthy People 2010 Objective

*Decrease the proportion of adults age 65 years and older who are not vaccinated annually against influenza to 10 percent.*

### Trend Analysis

Overall, the percent of respondents aged 65 and older who have not had an annual flu shot has been decreasing. However, it has increased slightly in 2004 and 2005. South Dakota has not yet met the *Healthy People 2010 Objective* of 10 percent.

**Figure 48**  
**Percent of Respondents, Ages 65 and Older, Who Have Not Had a Flu Shot**  
**Within the Past 12 Months, 1993-1995, 1997, and 1999-2005**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1993-1995, 1997, and 1999-2005

### Demographics

**Gender** There is no significant gender difference shown in the lack of a flu shot for those 65 and older or for any demographic group between the two.

**Age** There is a significant decrease in the percentage of those with no flu shot from the 65-74 age group to the 75 and older age group. This decrease is more evident in males.

**Race** There is insufficient data to make any racial comparisons.

**Region** There are no regional differences exhibited by the available data.

<b>Household Income</b>	Household income does not seem to have a large impact on flu shot status.
<b>Education</b>	Lack of a flu shot does not seem to be greatly influenced by education status.
<b>Employment Status</b>	Those who are employed for wages or self-employed demonstrate a very high prevalence of no flu shot, while those who are a homemaker or retired show a very low prevalence.
<b>Marital Status</b>	Those who are divorced or separated exhibit a very high prevalence of no flu shot, while those who are married show a very low prevalence.

**Table 59**  
**Respondents, Ages 65 and Older, Who Have Not Had a Flu Shot Within the Past 12 Months, 2005**

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
<b>Total</b>	<b>2,015</b>	<b>23.7</b>	<b>(21.7-25.9)</b>	<b>707</b>	<b>23.0</b>	<b>(19.7-26.7)</b>	<b>1,308</b>	<b>24.3</b>	<b>(21.7-27.0)</b>
<b>Age</b>									
18-24	-	-	-	-	-	-	-	-	-
25-34	-	-	-	-	-	-	-	-	-
35-44	-	-	-	-	-	-	-	-	-
45-54	-	-	-	-	-	-	-	-	-
55-64	-	-	-	-	-	-	-	-	-
65-74	997	28.3	(25.1-31.6)	405	28.5	(23.7-33.9)	592	28.0	(24.0-32.3)
75+	1,018	19.6	(17.0-22.5)	302	16.9	(12.8-21.9)	716	21.3	(18.1-24.9)
<b>Race</b>									
White	1,902	23.3	(21.2-25.5)	666	22.3	(19.0-26.0)	1,236	24.0	(21.4-26.8)
American Indian	*	*	*	*	*	*	*	*	*
<b>Region</b>									
Southeast	430	21.2	(17.4-25.5)	159	19.6	(14.2-26.6)	271	22.4	(17.6-28.1)
Northeast	481	22.8	(18.9-27.3)	159	25.5	(18.7-33.8)	322	20.9	(16.6-25.9)
Central	486	26.4	(22.5-30.8)	180	23.5	(17.7-30.6)	306	28.6	(23.5-34.4)
West	462	27.0	(22.8-31.6)	150	25.2	(18.6-33.2)	312	28.1	(23.0-33.8)
American Indian Counties	156	25.2	(18.1-34.0)	*	*	*	*	*	*
<b>Household Income</b>									
Less than \$10,000	128	24.1	(16.4-34.0)	*	*	*	*	*	*
\$10,000-\$14,999	274	21.9	(16.9-27.8)	*	*	*	*	*	*
\$15,000-\$19,999	233	24.2	(18.4-31.1)	*	*	*	*	*	*
\$20,000-\$24,999	248	29.3	(23.3-36.1)	*	*	*	*	*	*
\$25,000-\$34,999	291	25.1	(20.0-31.1)	119	23.1	(15.6-32.7)	172	27.0	(20.4-34.8)
\$35,000-\$49,999	232	17.3	(12.5-23.5)	124	15.0	(9.5-22.9)	108	20.7	(13.0-31.3)
\$50,000-\$74,999	117	12.7	(8.0-19.4)	*	*	*	*	*	*
\$75,000+	*	*	*	*	*	*	*	*	*
<b>Education</b>									
8th Grade or Less	256	25.8	(20.2-32.4)	109	29.1	(20.5-39.5)	147	22.5	(15.8-30.9)
Some High School	156	27.4	(19.3-37.3)	*	*	*	*	*	*
High School or G.E.D.	790	21.5	(18.4-24.8)	279	21.0	(16.3-26.7)	511	21.8	(18.0-26.1)
Some Post-High School	467	26.0	(21.7-30.9)	113	24.1	(16.2-34.2)	354	26.9	(21.8-32.6)
College Graduate	343	23.1	(18.5-28.5)	149	19.1	(13.2-26.9)	194	27.5	(21.0-35.2)
<b>Employment Status</b>									
Employed for Wages	185	34.2	(27.0-42.3)	*	*	*	*	*	*
Self-employed	170	39.1	(30.6-48.2)	*	*	*	*	*	*
Unemployed	*	*	*	*	*	*	*	*	*
Homemaker	164	20.7	(14.5-28.6)	*	*	*	*	*	*
Student	*	*	*	*	*	*	*	*	*
Retired	1,444	21.1	(18.8-23.6)	514	19.2	(15.6-23.3)	930	22.7	(19.8-25.9)
Unable to Work	*	*	*	*	*	*	*	*	*

**Table 59 (continued)**  
**Respondents, Ages 65 and Older, Who Have Not Had a Flu Shot Within the Past 12 Months, 2005**

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
<b>Marital Status</b>									
Married/Unmarried Couple	945	21.7	(19.1-24.7)	463	20.2	(16.6-24.3)	482	23.5	(19.7-27.9)
Divorced/Separated	189	35.7	(28.2-43.9)	*	*	*	*	*	*
Widowed	809	24.8	(21.4-28.6)	130	30.1	(20.6-41.6)	679	23.6	(20.2-27.5)
Never Married	*	*	*	*	*	*	*	*	*

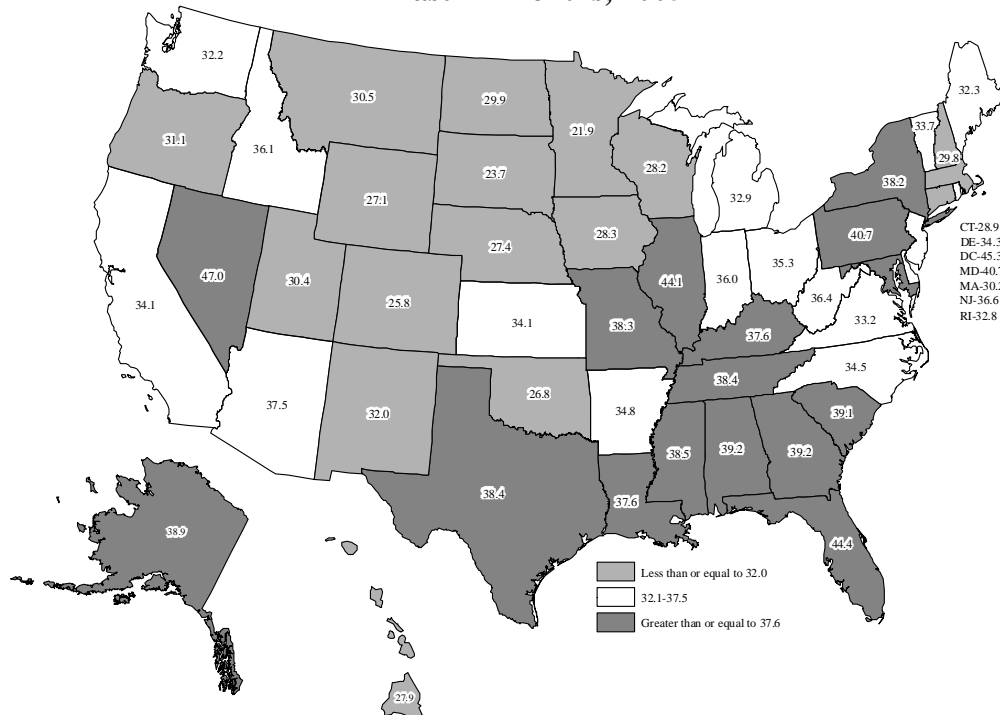
Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2005

## National Statistics

The national median for respondents who have not had a flu shot within the past 12 months was 34.3 percent. South Dakota had 23.7 percent of respondents who have not had a flu shot within the past 12 months. Minnesota had the lowest percent of respondents who have not had a flu shot within the past 12 months with 21.9 percent, while Nevada had the highest percent with 47 percent.

**Figure 49**  
**Nationally, Respondents Ages 65 and Older, Who Have Not Had a Flu Shot Within the Past 12 Months, 2005**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2005

## Further Analysis

Following are data illustrating the percent of those, ages 65 and older, who have not had a flu shot for various health behaviors and conditions. For example, 30.4 percent of respondents who stated they are not taking any precautions against West Nile Virus had no flu shot, while 19.4 percent of respondents who stated they are taking precautions against West Nile Virus had no flu shot.

**Table 60**  
**No Flu Shot, Ages 65 and Older, Within the Past 12 Months for Selected Health Behaviors and Conditions, 2005**

<b>Health Behavior or Condition</b>	<b># Respondents</b>	<b>% No Flu Shot</b>	<b>95% CI</b>
Fair or Poor Health Status	579	19.3	15.8-23.3
Excellent, Very Good, or Good Health Status	1,432	25.4	22.9-28.0
Physical Health Not Good for 30 days of the past 30	253	17.9	12.8-24.4
Physical Health Not Good for 0-29 days of the past 30	1,717	24.4	22.1-26.8
Mental Health Not Good for 20-30 days of the past 30	*	*	*
Mental Health Not Good for 0-19 days of the past 30	1,929	23.5	21.4-25.7
Usual Activities Unattainable for 10-30 Days of the Past 30	180	19.9	13.8-27.9
Usual Activities Unattainable for 0-9 Days of the Past 30	1,816	24.1	21.9-26.4
Dissatisfied / Very Dissatisfied with Life	*	*	*
Satisfied / Very Satisfied with Life	1,903	24.1	22.0-26.4
Obese (BMI = 30.0+)	415	24.7	20.0-30.1
Overweight (BMI = 25.0-29.9)	830	22.4	19.4-25.7
Recommended Weight (BMI = 18.5-24.9)	660	24.1	20.6-27.9
Underweight (BMI < 18.5)	*	*	*
No Leisure Time Physical Activity	680	29.3	25.4-33.5
Leisure Time Physical Activity	1,334	21.0	18.6-23.5
No Moderate Physical Activity	1,211	23.5	20.8-26.4
Moderate Physical Activity	676	22.3	19.0-25.9
No Vigorous Physical Activity	1,769	23.6	21.4-25.9
Vigorous Physical Activity	174	24.1	17.7-31.9
Less Than Five Servings of Fruits and Vegetables	1,334	24.4	21.8-27.1
At Least Five Servings of Fruits and Vegetables	655	22.3	18.9-26.1
Not Heard of "Healthy South Dakota" Program	1,241	25.3	22.6-28.2
Heard of "Healthy South Dakota" Program	696	21.5	18.3-25.1
Current Smoker	189	31.2	24.1-39.4
Former Smoker	762	20.3	17.2-23.6
Never Smoked	1,055	24.9	22.0-28.0
Smokeless Tobacco Use	*	*	*
No Smokeless Tobacco Use	1,926	23.6	21.5-25.8
Drank Alcohol in Past 30 Days	712	23.5	20.2-27.1
No Alcohol in Past 30 Days	1,302	23.8	21.2-26.6
Binge Drinker	*	*	*
Not a Binge Drinker	1,960	23.2	21.1-25.4
Heavy Drinker	*	*	*
Not a Heavy Drinker	1,964	23.6	21.5-25.8
Hypertension	1,108	20.3	17.7-23.2
No Hypertension	899	27.3	24.1-30.7
High Blood Cholesterol	914	19.8	17.0-22.9
No High Blood Cholesterol	935	26.0	22.9-29.4
Not Taking any Precautions Against West Nile Virus	818	30.4	26.9-34.2
Taking Precautions Against West Nile Virus	1,144	19.4	17.0-22.2
No Health Insurance (18-64)	-	-	-
Health Insurance (18-64)	-	-	-
Employer Based Health Insurance Coverage (18-64)	-	-	-
Private Health Insurance Plan (18-64)	-	-	-
Medicare (18-64)	-	-	-
Medicaid or Medical Assistance (18-64)	-	-	-
The Military, CHAMPUS, TriCare, or the VA (18-64)	-	-	-
The Indian Health Service (18-64)	-	-	-
No Pneumonia Shot (65+)	651	48.2	43.7-52.7
Pneumonia Shot (65+)	1,300	11.3	9.5-13.5

<b>Table 60 (continued)</b> <b>No Flu Shot, Ages 65 and Older, Within the Past 12 Months for Selected Health Behaviors and Conditions, 2005</b>			
<b>Health Behavior or Condition</b>	<b># Respondents</b>	<b>% No Flu Shot</b>	<b>95% CI</b>
Diabetes	320	16.2	12.2-21.1
No Diabetes	1,694	25.0	22.7-27.5
Current Asthma	162	20.5	13.9-29.1
Former Asthma	*	*	*
Never Had Asthma	1,806	24.3	22.1-26.7
Previously Had a Heart Attack	301	18.7	13.8-24.7
Never Had a Heart Attack	1,691	24.5	22.3-26.9
Have Angina or Coronary Heart Disease	308	19.4	14.9-25.0
Do Not Have Angina or Coronary Heart Disease	1,674	24.7	22.4-27.2
Previously Had a Stroke	184	18.3	12.7-25.5
Never Had a Stroke	1,825	24.2	22.0-26.5
Arthritis	1,139	19.7	17.2-22.5
No Arthritis	852	29.1	25.7-32.7
Arthritis - Activities Limited	552	18.0	14.6-22.0
No Arthritis - Activities Limited	1,433	26.0	23.5-28.7
Physical, Mental, or Emotional Disability	715	21.9	18.5-25.6
No Physical, Mental, or Emotional Disability	1,287	24.7	22.1-27.4
Disability with Special Equipment Needed	402	16.3	12.6-20.8
No Disability with Special Equipment Needed	1,600	25.5	23.1-28.0
Two or More Hours of TV Watched per Day	1,632	21.7	19.5-24.1
Less Than Two Hours of TV Watched per Day	317	35.1	29.1-41.5
Never Been Tested for HIV (18-64)	-	-	-
Been Tested for HIV (18-64)	-	-	-
Military Veteran	490	19.0	15.4-23.2
Not a Military Veteran	1,518	25.8	23.3-28.4

Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2005

Table 61, below, illustrates respondent reasons for not getting a flu shot. In 2005, 2004, and 2003, respondents' main reason for not getting a flu shot was "did not think I needed one".

<b>Table 61</b> <b>Respondents, Ages 65 and Older, Main Reason for Not Getting a Flu Shot, 2003-2005</b>			
	<b>2005</b>	<b>2004</b>	<b>2003</b>
<b>Number of Respondents</b>	<b>396</b>	<b>358</b>	<b>313</b>
Didn't think I needed one	44.3%	46.0%	52.7%
Shot could give me the flu/allergic reaction/health problems	24.3%	27.8%	26.0%
Vaccine not available/clinic didn't get their shipment	18.6%	7.8%	1.0%
Didn't think of it/forgot/missed it	6.8%	6.2%	9.2%
Not recommended by doctor	1.4%	3.1%	1.6%
Not physically able to get to the clinic	0.2%	1.1%	1.0%
Other	4.4%	8.0%	8.5%

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2003-2005

## **CHILDREN WITH NO FLU SHOT**

*Definition: Children, ages 0-17, who have not had an influenza vaccination within the past 12 months.*

### **Prevalence of Children with No Flu Shot**

- South Dakota 73.9%
- There is no nationwide median for children, ages 0-17, with no flu shot

### **Healthy People 2010 Objective**

*There was no stated Healthy People 2010 Objective for children, ages 0-17, who are not vaccinated annually against influenza.*

### **Trend Analysis**

This was the first year this question was asked so no trend analysis could be done.

### **Demographics**

<b>Gender</b>	There was no gender difference observed from the available data regarding flu shots for children.
<b>Age</b>	The lack of flu shots for children increases as age increases. This includes a significant increase as the 5-9 age group is reached.
<b>Race</b>	American Indian children exhibit a significantly lower percentage of children with no flu shot than white children.
<b>Region</b>	The American Indian counties region demonstrates a very low prevalence of children with no flu shot, while the southeast and northeast regions show a very high prevalence.
<b>Household Income</b>	Lack of flu shots in children does not seem to change as household income changes.

<b>Table 62</b>			
<b>Children, Ages 0-17, with No Flu Shot, 2005</b>			
<b>Demographics</b>	<b># Respondents</b>	<b>% No Flu Shot</b>	<b>95% CI</b>
<b>Total</b>	<b>1,929</b>	<b>73.9</b>	<b>(71.4-76.2)</b>
<b><u>Gender</u></b>			
Male	968	74.1	(70.6-77.3)
Female	953	73.6	(70.0-76.9)
<b><u>Age</u></b>			
0-4	500	54.8	(49.5-60.0)
5-9	435	75.8	(70.8-80.2)
10-14	528	83.7	(79.4-87.2)
15-17	413	84.2	(79.0-88.3)
<b><u>Race</u></b>			
White	1,604	75.2	(72.6-77.7)
American Indian	251	64.5	(56.3-71.8)

<b>Table 62 (continued)</b> <b>Children, Ages 0-17, with No Flu Shot, 2005</b>			
<b>Demographics</b>	<b># Respondents</b>	<b>% No Flu Shot</b>	<b>95% CI</b>
<b><u>Region</u></b>			
Southeast	466	75.4	(70.8-79.5)
Northeast	414	76.1	(71.2-80.3)
Central	338	73.1	(67.2-78.3)
West	461	71.8	(66.7-76.3)
American Indian Counties	250	63.2	(55.6-70.1)
<b><u>Household Income</u></b>			
Less than \$20,000	247	67.9	(60.1-74.8)
\$20,000-\$24,999	153	77.4	(68.6-84.3)
\$25,000-\$34,999	240	73.4	(65.5-80.1)
\$35,000-\$49,999	402	76.6	(71.1-81.4)
\$50,000-\$74,999	398	74.2	(69.0-78.9)
\$75,000+	352	73.3	(67.6-78.3)

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2005

## **NO PNEUMONIA SHOT**

*Definition: Respondents ages 65 and older who have never had a pneumonia vaccination.*

### **Prevalence of No Pneumonia Shot**

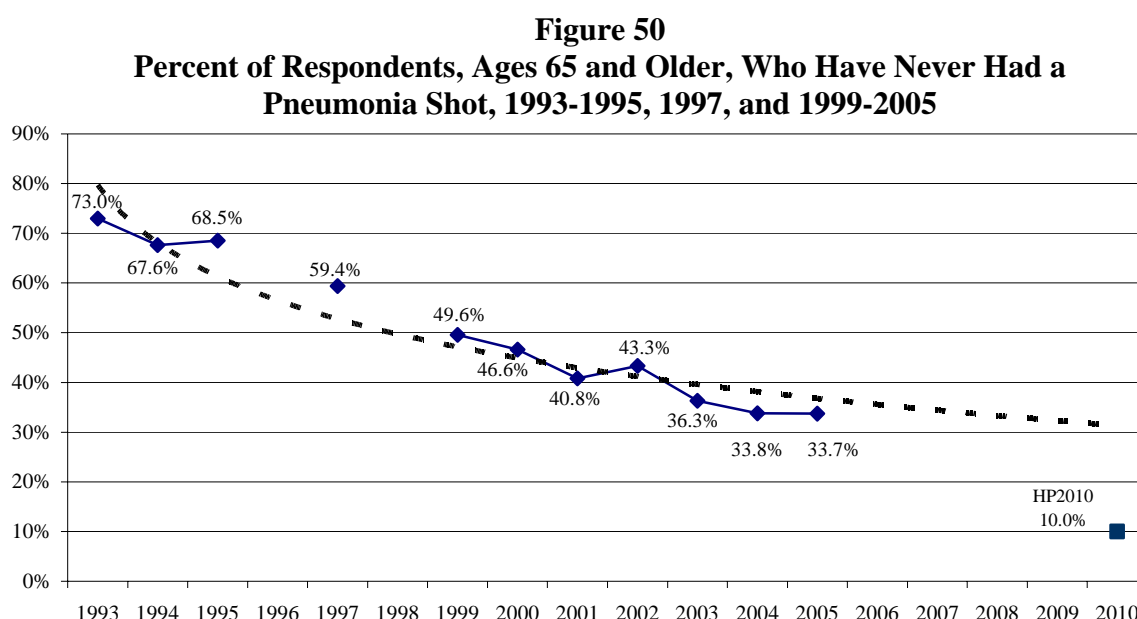
- South Dakota 33.7%
- Nationwide median 34.1%

### **Healthy People 2010 Objective**

*Decrease the proportion of adults age 65 years and older who have never been vaccinated against pneumococcal disease to 10 percent.*

### **Trend Analysis**

Overall, the percent of respondents aged 65 and older who have never had a pneumonia shot has been decreasing. However, South Dakota has not yet met the *Healthy People 2010 Objective* of 10 percent.



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1993-1995, 1997, and 1999-2005

### **Demographics**

<b>Gender</b>	There is no significant gender difference in the lack of a pneumonia shot for those 65 and older or for any demographic group between the two.
<b>Age</b>	There is a significant decrease in the percentage of those with no pneumonia shot from the 65-74 age group to the 75 and older age group.
<b>Race</b>	There is insufficient data to make any racial comparisons.
<b>Region</b>	There are no significant regional differences observed from the available data.
<b>Household Income</b>	Household income does not seem to have a large impact on pneumonia shot status.
<b>Education</b>	Lack of a pneumonia shot does not appear to be influenced by education status.

**Employment Status** Those who are employed for wages or self-employed demonstrate a very high prevalence of no pneumonia shot, while those who are a homemaker or retired show a very low prevalence.

**Marital Status** Females who are married exhibit a very high prevalence of no pneumonia shot, while females who are widowed show a very low prevalence.

<b>Table 63</b> <b>Respondents, Ages 65 and Older, Who Have Never Had a Pneumonia Shot, 2005</b>								
	Total			Male			Female	
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	95% CI
<b>Total</b>	<b>1,956</b>	<b>33.7</b>	<b>(31.3-36.2)</b>	<b>672</b>	<b>34.0</b>	<b>(29.9-38.3)</b>	<b>1,284</b>	<b>33.5 (30.6-36.5)</b>
<b>Age</b>								
18-24	-	-	-	-	-	-	-	-
25-34	-	-	-	-	-	-	-	-
35-44	-	-	-	-	-	-	-	-
45-54	-	-	-	-	-	-	-	-
55-64	-	-	-	-	-	-	-	-
65-74	966	43.7	(40.0-47.3)	386	44.1	(38.4-50.0)	580	43.3 (38.7-48.0)
75+	990	24.6	(21.7-27.9)	286	23.0	(17.8-29.0)	704	25.7 (22.2-29.5)
<b>Race</b>								
White	1,844	33.5	(31.1-36.0)	631	33.0	(29.0-37.3)	1,213	33.8 (30.9-37.0)
American Indian	*	*	*	*	*	*	*	*
<b>Region</b>								
Southeast	415	34.5	(29.8-39.6)	147	34.4	(26.8-42.8)	268	34.6 (28.8-40.9)
Northeast	464	33.3	(28.8-38.1)	152	34.8	(27.1-43.4)	312	32.2 (27.0-38.0)
Central	475	35.4	(30.9-40.1)	173	36.3	(29.1-44.2)	302	34.7 (29.2-40.6)
West	448	31.8	(27.3-36.6)	142	30.5	(23.1-39.1)	306	32.5 (27.0-38.5)
American Indian Counties	154	32.0	(24.1-41.0)	*	*	*	*	*
<b>Household Income</b>								
Less than \$10,000	125	31.1	(22.1-41.9)	*	*	*	*	*
\$10,000-\$14,999	271	29.0	(23.1-35.6)	*	*	*	*	*
\$15,000-\$19,999	224	32.2	(25.3-39.9)	*	*	*	*	*
\$20,000-\$24,999	246	39.7	(33.1-46.8)	*	*	*	*	*
\$25,000-\$34,999	279	29.7	(24.0-36.2)	111	29.5	(20.8-40.0)	168	29.9 (22.7-38.2)
\$35,000-\$49,999	225	34.8	(28.1-42.3)	119	32.2	(23.5-42.2)	106	38.7 (28.7-49.8)
\$50,000-\$74,999	110	27.7	(19.6-37.6)	*	*	*	*	*
\$75,000+	*	*	*	*	*	*	*	*
<b>Education</b>								
8th Grade or Less	251	32.4	(26.1-39.4)	105	31.1	(22.0-41.9)	146	33.7 (25.5-42.9)
Some High School	151	41.0	(31.7-51.0)	*	*	*	*	*
High School or G.E.D.	768	33.4	(29.7-37.4)	267	32.5	(26.4-39.2)	501	34.1 (29.5-38.9)
Some Post-High School	453	32.6	(27.6-37.9)	107	37.1	(27.0-48.4)	346	30.7 (25.4-36.7)
College Graduate	331	33.8	(28.2-40.0)	139	34.2	(25.9-43.5)	192	33.5 (26.2-41.6)
<b>Employment Status</b>								
Employed for Wages	182	54.4	(46.1-62.5)	*	*	*	*	*
Self-employed	165	49.6	(40.3-58.9)	*	*	*	*	*
Unemployed	*	*	*	*	*	*	*	*
Homemaker	159	33.7	(25.9-42.5)	*	*	*	*	*
Student	*	*	*	*	*	*	*	*
Retired	1,401	29.2	(26.5-32.1)	486	29.1	(24.6-34.0)	915	29.4 (26.1-32.9)
Unable to Work	*	*	*	*	*	*	*	*
<b>Marital Status</b>								
Married/Unmarried Couple	911	35.7	(32.3-39.2)	437	33.4	(28.7-38.5)	474	38.0 (33.4-43.0)
Divorced/Separated	181	37.5	(29.9-45.8)	*	*	*	*	*
Widowed	794	29.5	(25.9-33.4)	128	35.7	(25.7-47.0)	666	28.1 (24.4-32.0)
Never Married	*	*	*	*	*	*	*	*

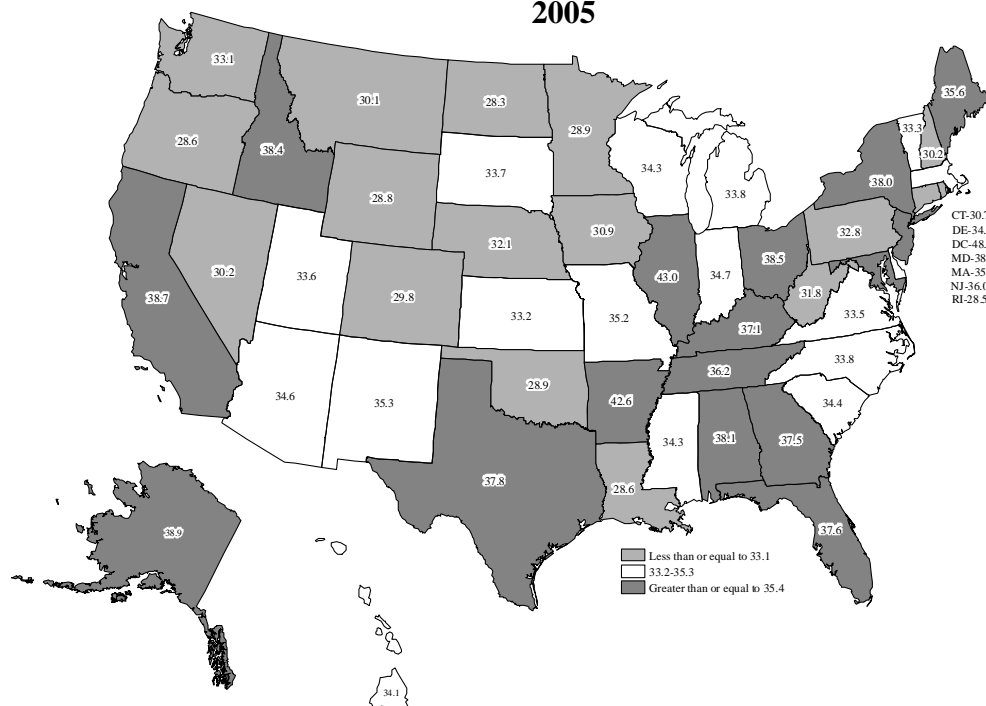
Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2005

## National Statistics

The national median for respondents who have never had a pneumonia shot was 34.1 percent. South Dakota had 33.7 percent of respondents who have never had a pneumonia shot. North Dakota had the lowest percent of respondents who have never had a pneumonia shot with 28.3 percent, while the District of Columbia had the highest percent with 48.4 percent.

**Figure 51**  
**Nationally, Respondents Ages 65 and Older, Who Have Never Had a Pneumonia Shot, 2005**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2005

## Further Analysis

Following are data illustrating the percent of those ages 65 and older who have never had a pneumonia shot for various health behaviors and conditions. For example, 27.4 percent of respondents who stated they have hypertension had no pneumonia shot, while 41.2 percent of respondents who stated they do not have hypertension had no pneumonia shot.

**Table 64**  
**No Pneumonia Shot, Ages 65 and Older, for Selected Health Behaviors and Conditions, 2005**

Health Behavior or Condition	# Respondents	% No Pneumonia Shot	95% CI
Fair or Poor Health Status	569	23.7	19.9-28.0
Excellent, Very Good, or Good Health Status	1,384	37.4	34.5-40.4
Physical Health Not Good for 30 days of the past 30	249	19.1	14.1-25.3
Physical Health Not Good for 0-29 days of the past 30	1,664	35.8	33.1-38.5
Mental Health Not Good for 20-30 days of the past 30	*	*	*
Mental Health Not Good for 0-19 days of the past 30	1,761	35.2	32.6-37.8
Usual Activities Unattainable for 10-30 Days of the Past 30	177	20.1	14.0-28.1
Usual Activities Unattainable for 0-9 Days of the Past 30	1,761	35.2	32.6-37.8
Dissatisfied / Very Dissatisfied with Life	*	*	*
Satisfied / Very Satisfied with Life	1,848	33.9	31.4-36.4

**Table 64 (continued)**  
**No Pneumonia Shot, Ages 65 and Older, for Selected Health Behaviors and Conditions,**  
**2005**

<b>Health Behavior or Condition</b>	<b># Respondents</b>	<b>% No Pneumonia Shot</b>	<b>95% CI</b>
Obese (BMI = 30.0+)	400	34.2	28.9-40.0
Overweight (BMI = 25.0-29.9)	807	34.2	30.5-38.0
Recommended Weight (BMI = 18.5-24.9)	640	31.6	27.5-36.0
Underweight (BMI < 18.5)	*	*	*
No Leisure Time Physical Activity	660	33.9	29.8-38.3
Leisure Time Physical Activity	1,295	33.5	30.6-36.6
No Moderate Physical Activity	1,173	31.7	28.6-34.9
Moderate Physical Activity	662	36.1	31.9-40.4
No Vigorous Physical Activity	1,720	34.1	31.5-36.8
Vigorous Physical Activity	168	32.1	24.6-40.6
Less Than Five Servings of Fruits and Vegetables	1,290	36.4	33.3-39.5
At Least Five Servings of Fruits and Vegetables	641	28.4	24.6-32.6
Not Heard of "Healthy South Dakota" Program	1,201	33.9	30.9-37.2
Heard of "Healthy South Dakota" Program	681	32.9	29.0-37.1
Current Smoker	186	41.2	33.1-49.8
Former Smoker	736	29.6	25.9-33.6
Never Smoked	1,025	35.2	31.9-38.7
Smokeless Tobacco Use	*	*	*
No Smokeless Tobacco Use	1,870	33.7	31.2-36.2
Drank Alcohol in Past 30 Days	691	35.6	31.6-39.7
No Alcohol in Past 30 Days	1,264	32.5	29.5-35.6
Binge Drinker	*	*	*
Not a Binge Drinker	1,906	33.1	30.7-35.6
Heavy Drinker	*	*	*
Not a Heavy Drinker	1,910	33.6	31.2-36.1
Hypertension	1,084	27.4	24.4-30.7
No Hypertension	865	41.2	37.5-45.1
High Blood Cholesterol	891	31.4	27.9-35.1
No High Blood Cholesterol	903	34.6	31.1-38.3
Not Taking any Precautions Against West Nile Virus	790	38.5	34.6-42.5
Taking Precautions Against West Nile Virus	1,115	30.7	27.6-34.0
No Health Insurance (18-64)	-	-	-
Health Insurance (18-64)	-	-	-
Employer Based Health Insurance Coverage (18-64)	-	-	-
Private Health Insurance Plan (18-64)	-	-	-
Medicare (18-64)	-	-	-
Medicaid or Medical Assistance (18-64)	-	-	-
The Military, CHAMPUS, TriCare, or the VA (18-64)	-	-	-
The Indian Health Service (18-64)	-	-	-
No Flu Shot (65+)	486	68.3	63.2-72.9
Flu Shot (65+)	1,465	22.8	20.4-25.5
Diabetes	312	26.4	20.9-32.7
No Diabetes	1,643	35.0	32.4-37.7
Current Asthma	159	16.5	10.6-24.7
Former Asthma	*	*	*
Never Had Asthma	1,751	35.6	33.0-38.3
Previously Had a Heart Attack	290	22.7	17.3-29.1
Never Had a Heart Attack	1,644	35.6	32.9-38.3
Have Angina or Coronary Heart Disease	299	24.5	19.3-30.7
Do Not Have Angina or Coronary Heart Disease	1,627	35.4	32.8-38.2

**Table 64 (continued)**  
**No Pneumonia Shot, Ages 65 and Older, for Selected Health Behaviors and Conditions,**  
**2005**

<b>Health Behavior or Condition</b>	<b># Respondents</b>	<b>% No Pneumonia Shot</b>	<b>95% CI</b>
Previously Had a Stroke	181	18.7	13.1-25.8
Never Had a Stroke	1,770	35.1	32.6-37.8
Arthritis	1,112	28.1	25.1-31.2
No Arthritis	821	41.2	37.3-45.2
Arthritis - Activities Limited	538	23.3	19.4-27.8
No Arthritis - Activities Limited	1,389	37.9	35.0-40.9
Physical, Mental, or Emotional Disability	701	26.3	22.7-30.3
No Physical, Mental, or Emotional Disability	1,241	37.7	34.6-40.9
Disability with Special Equipment Needed	394	21.6	17.2-26.6
No Disability with Special Equipment Needed	1,549	36.5	33.7-39.3
Two or More Hours of TV Watched per Day	1,589	31.5	28.8-34.2
Less Than Two Hours of TV Watched per Day	304	44.7	38.3-51.4
Never Been Tested for HIV (18-64)	-	-	-
Been Tested for HIV (18-64)	-	-	-
Military Veteran	466	28.5	23.9-33.5
Not a Military Veteran	1,483	35.8	33.0-38.6

Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2005